



THREE RIVERS LEVEE IMPROVEMENT AUTHORITY

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Project Status Report dated September 7, 2007

(Submitted to The Reclamation Board for the September 21, 2007, meeting)

A progress report of the various phases of the Three Rivers Levee Improvement Authority (TRLIA) project is provided in the followings sections of this document. Updates are indicated with italics and underline.

1. Levee Design and Construction Work:

a. **Phase 2 Levee Repair - Bear River Station 131 and easterly, Western Pacific Interceptor Canal and Yuba River from just east of Highway 70 to the Union Pacific Railroad:**

- 1) The State Reclamation Board staff is still processing the encroachment permit application for the Caltrans detention basin as approved at the February Reclamation Board meeting. There is no change to this item since the last TRLIA report.
- 2) TRLIA has committed to the Corp of Engineers that TRLIA and PG&E will remove a power pole within the seepage berm near Sta. 33+00 of the Yuba River. PG&E has notified TRLIA that the work is currently scheduled for September 25 after electrical demand has lessened. TRLIA will continue coordination with PG&E on this relocation and will observe the relocation to be certain that the seepage berm is not damaged and the hole from the removed power pole is backfilled appropriately.
- 3) TRLIA has committed to the Corps of Engineers to conduct a field investigation and properly abandon, if required, the CMP located under the WPIC levee near Sta. 264+60. This work is planed to be completed jointly by TRLIA and RD 784 as normal maintenance no later than November 1, 2007. Environmental clearances have been obtained to do this work. Negotiation with the landside landowner for right-of-entry along the toe of the levee has been difficult. A letter has been sent to the landowner officially requesting access, but a response has not been received. TRLIA may have to go to court to obtain the needed right of entry.

- 4) *This same landside landowner (see 1a3) has constructed a fence across the WPIC levee that was not in place at the time TRLIA initiated the projects. This fence has not been permitted by the Reclamation Board. This issue has been brought to the attention of Reclamation Board Staff to determine the appropriate actions.*
- b. **Phase 3 Construction – Bear River Setback Levee between the Feather River Levee and the limit of Phase 2 Construction:**
- 1) Restoration plantings are being monitored and maintained.
- c. **Phase 4 – Yuba River Levee between the Union Pacific Railroad and the Goldfields:**
- 1) TRLIA committed to the Corps of Engineers to install piezometers along the Phase 4 slurry wall in accordance with the recommendations contained in HDR's February 22, 2007 memo re: Evaluation of As-Built Conditions, Yuba River Cutoff Wall (Phase 4). Five piezometers will be installed. Initial design is underway and will be coordinated with the Corps of Engineers and the Reclamation Board staff. TRLIA will request an amendment to encroachment permit 18095 GM to do this work once the design is complete. The piezometers are to be installed no later than November 1, 2007.
 - 2) Design on the erosion problem that exists just downstream of the Goldfields has been placed on hold until agreement on the water surface profiles along this reach of the levee can be reached with the Corps of Engineers. Erosion occurred in this area during the 1997 event.
- d. **Phase 4 – Feather River Levee between Bear and Yuba Rivers:**
- 1) **Segments 1, 2, and 3:**
 - a) An application for Prop 1E funding was submitted to DWR on 1 May 2007. *TRLIA received a preliminary notification of eligibility to receive \$138.5M for early implementation of Segments 2 and 3 on August 30, 2007. TRLIA is preparing additional information required for the grant and discussing details of the grant with DWR.* The delay in receiving Prop 84 funding for land acquisition and Prop 1E funding for construction is impairing TRLIA's ability to make significant progress on repairing these reaches and is impacting TRLIA's ability to complete Segment 2 construction by the end of 2008.
 - 2) **Segment 1 & 3:**
 - a) Construction bids for TRLIA Segments 1 and 3 have been opened. Bids were below the Engineer's Estimate. The encroachment permit for this work was approved at the June 8 special Reclamation Board meeting. TRLIA received the Federal 408 approval on 2 August 2007. *Section 104 credit was approved by the ASA(CW) Woodley on 7 August 2007. TRLIA issued an initial Notice to Proceed for \$2.6 million (combination of Landowner and TRLIA funding) of Segment 3 construction. Late notification of potential additional funding from Propositions 1E and 84 will not allow additional construction during*

this construction season. The remainder of Segment 3 and Segment 1 will be constructed in 2008.

- b) As reported in a past update the TRLIA Board has approved two Resolution of Necessities for the non-setback portion of the Feather River levee improvements.

3) **Segment 2:**

- a) Design and land acquisition for the setback levee continues. On 27 July 2007 TRLIA issued 60% design drawing and specifications to DWR, Corp of Engineers, and Reclamation Board Staff for review and comment. On 10 August 2007 TRLIA conducted an onboard technical review of the plans and specification at which DWR, Corp of Engineers, and Reclamation Board staffs were in attendance. Topics such as levee alignment and geotechnical information were discussed and evaluated. As reported at your last meeting formal comments have not been received from either DWR or the Corps but some issues were raised during the meeting. These issues are being addressed by TRLIA staff.
- b) On Jun 19, 2007 the TRLIA Board approved two Real Property Resolutions of Necessities.
- c) On August 7, 2007 the TRLIA Board approved one more Resolution of Necessity.
- d) TRLIA has purchased one property for the Setback levee.
- e) TRLIA advertised the construction contract for Segment 2 on August 15, 2007, TRLIA's has delayed the award date for the contract to October 5, 2007 and issue notice to proceed October 16, 2007 due to the delay in receiving Early Implementation Project funding, and delay in having this item heard at the September Reclamation Board Meeting. The delay in State Prop 1E/84 funding is impacting the schedule for land acquisition for segment 2 and could impact the overall schedule.
- f) TRLIA has consulted with the Corps and determined that 408 approval is not required until the existing levee is degraded in late 2008 or 2009.
- g) TRLIA has submitted an encroachment permit application to the State Reclamation Board staff for review. Due to the absence of DWR and Corps comments, the Reclamation Board Staff cannot present the encroachment permit for Segment 2 for action at the September meeting of the State Reclamation Board. A meeting of the Reclamation Board TRLIA Sub-committee is scheduled for 11 September 2007. Topics to be presented at that meeting are:
- Status of TRLIA's land acquisition for the levee setback alignment
 - Proposed alignment of the levee setback
 - Update to Proposition 1e Grant and Local Share

2. **Levee utility crossings to meet current Corps and State of California Criteria:**

TRLIA continues to work on updating utility crossings as a condition of certification from the Corp of Engineers. The following actions continue to be taken:

- a) Additional information is being gathered from the utilities on pipe condition and strength. Letters were sent to PG&E and Kinder Morgan asking them to assess their the pipe material condition and strength and the remaining service life.
- b) Missing crossing markers at the utilities are being investigated and will be replaced as needed. A field trip on August 1 identified which utilities were missing utility markers. Letters have been sent to Sprint and to AT&T asking them to field mark

- their utilities. Qwest crossing markers were found in the field but no record of this crossing is in the levee log. Qwest was requested to provide information on their utility crossing. It is unknown if Qwest obtained an encroachment permit for this crossing.*
- c) *The inverts of the utilities have been compared to the 200-year flood elevation. Very few of the utilities are below the 200-year flood elevation and are not considered a hazard*
- d) *Some levee potholing will occur at the Bear and WPIC to investigate possible abandoned utilities. TRLIA is researching less intrusive geophysical methods of searching for abandoned utilities that would not require potholing.*

3. Funding Update:

- a. *Approval of a State budget has resulted in the release of notification letters for potential Proposition 1E grants. Three Rivers is required to present a financial plan demonstrating local share the week of September 24, 2007. This delay in notification and funding is a significant challenge to our schedule and causing us to have to re-evaluate our schedule. We continue making strides in obtaining rights of entry which allow us to move ahead with land access without significant current budget expenditures. Once we receive confirmation of our Proposition 1E award, we will be in a better position to brief you on the schedule implications, of the delay in State funding.*

4. Building Permits Issued in Plumas Lake Specific Plan Area and North Arboga Study Area in 2007:

Permit Information was not available at the time of report preparation and will be provided as supplemental information on the day of the meeting.